Source:	**SA5 (Telecom Management)**
Title:	**Rel-4 CR 32.215 Correction on SGSN PLMN identifier in G-CDR**
Document for:	**Decision**
Agenda Item:	**7.5.3**

Doc-1st-Level	Spec	CR	R	Phase	Subject	Cat	Vers.	Doc-2nd-L	Workitem
SP-040137	32.215	032	-	Rel-4	Correction on SGSN PLMN identifier in G-CDR	F	4.6.0	S5-044043	OAM-CH

CR-Form-v7

CHANGE REQUEST

⌘   **32.215** CR **032**   ⌘**rev** **-** ⌘   Current version: **4.6.0** ⌘

*For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.*

Proposed change affects: UICC apps⌘ ☐   ME ☐   Radio Access Network ☐   Core Network **X**

Title: ⌘	Correction on SGSN PLMN identifier in G-CDR	
Source: ⌘	SA5 (Gerald.Goermer@siemens.com)	
Work item code:⌘	OAM-CH	**Date:** ⌘ 14/01/2004

Category: ⌘ **F**   **Release:** ⌘ Rel-4

Use one of the following categories:	*Use one of the following releases:*
F (correction)	*2 (GSM Phase 2)*
A (corresponds to a correction in an earlier release)	*R96 (Release 1996)*
B (addition of feature),	*R97 (Release 1997)*
C (functional modification of feature)	*R98 (Release 1998)*
D (editorial modification)	*R99 (Release 1999)*
Detailed explanations of the above categories can	*Rel-4 (Release 4)*
be found in 3GPP TR 21.900.	*Rel-5 (Release 5)*
	Rel-6 (Release 6)

Reason for change: ⌘	Incorrect category of the parameter "SGSN PLMN Identifier" in the ASN.1 code of the G-CDR.
Summary of change:⌘	The category of the ASN.1 parameter "sgsnPLMNIdentifier" is set to "optional".
Consequences if not approved: ⌘	Errors in CDR creation and/or post-processing.

Clauses affected: ⌘	6.1

	Y	N		
Other specs affected: ⌘		X	Other core specifications ⌘	
		X	Test specifications	
		X	O&M Specifications	

Other comments: ⌘	

How to create CRs using this form:

.

6 Charging Data Record Structure

6.1 ASN.1 definitions for CDR information

The ASN.1 definitions are based on ISO8824 (90)/X.208 (88) [17], which has been superseded by ISO8824-1 (94)/X.680 (94)[18]. This newer version not only includes new features but also removes some that were present in ISO8824 (90)/X.208 (88) [17]. Where possible, the GPRS work would be based on those ASN.1 features to both. However, where necessary, the new features in ISO8824-1 (94)/X.680 (94) [18] be used in some places. ISO8824 (90)/X.208 (88) [17] features that are no longer in ISO8824-1 (94)/X.680 (94) [18] will not be used.

```
TS32215-DataTypes {itu-t (0) identified-organization (4) etsi (0) mobileDomain (0) umts-Operation-
Maintenance (3) ts-32-215 (215) informationModel (0) asn1Module (2) version1 (1)}


DEFINITIONS IMPLICIT TAGS   ::=

BEGIN

-- EXPORTS everything

-- Note that use of more recent module versions is allowed as long as the imported parameters are
identical the ones in the module versions specified below.

IMPORTS

CallEventRecordType, CellId, Diagnostics, CallDuration, LCSCause, LCSClientIdentity, LCSQoSInfo,
ManagementExtensions, TimeStamp, MSISDN, LocationAreaCode, MessageReference, PositioningData,
RecordingEntity, SMSResult, LevelOfCAMELService, CalledNumber, CallingNumber, CallEventRecord,
LocationAreaAndCell, SmsTpDestinationNumber
FROM TS32205-DataTypes {itu-t (0) identified-organization (4) etsi(0) mobileDomain (0)
umts-Operation-Maintenance (3) ts-32-205 (205) informationModel (0) asn1Module (2) version1 (1)}

IMSI, IMEI, ISDN-AddressString, LCSClientExternalID, LCSClientInternalID
FROM MAP-CommonDataTypes { ccitt identified-organization (4) etsi(0) mobileDomain (0) gsm-Network
(1) modules (3) map-CommonDataTypes (18) version6 (6) }

DefaultGPRS-Handling, DefaultSMS-Handling, NotificationToMSUser, ServiceKey
FROM MAP-MS-DataTypes    { ccitt identified-organization (4) etsi (0) mobileDomain (0)
gsm-Network (1) modules (3) map-MS-DataTypes (11) version6 (6)  }

CallReferenceNumber
FROM MAP-CH-DataTypes {ccitt identified-organization(4) etsi(0) mobileDomain(0)
gsm-Network(1) modules(3) map-CH-DataTypes(13) version6(6)}

LocationMethod
FROM SS-DataTypes { ccitt identified-organization (4) etsi (0) mobileDomain (0) gsm-Access (2)
modules (3) ss-DataTypes (2) version7 (7)}

Ext-GeographicalInformation, LCSClientType, LCS-Priority, LocationType
FROM MAP-LCS-DataTypes { ccitt identified-organization (4) etsi (0) mobileDomain (0) gsm-Network (1)
modules (3) map-LCS-DataTypes (25) version7 (7)}

ManagementExtension
FROM Attribute-ASN1Module {joint-iso-ccitt ms(9) smi(3) part2 (2) asn1Module(2) 1}
;

--------------------------------------------------------------------------
--
--  CALL AND EVENT RECORDS
--
--------------------------------------------------------------------------
GGSNPDPRecord   ::= SET
{
    recordType              [0] CallEventRecordType,
    networkInitiation       [1] NetworkInitiatedPDPContext OPTIONAL,
    servedIMSI              [3] IMSI,
    ggsnAddress             [4] GSNAddress,
    chargingID              [5] ChargingID,
    sgsnAddress             [6] SEQUENCE OF GSNAddress,
```

```
        accessPointNameNI             [7] AccessPointNameNI OPTIONAL,
        pdpType                       [8] PDPType OPTIONAL,
        servedPDPAddress              [9] PDPAddress OPTIONAL,
        dynamicAddressFlag            [11] DynamicAddressFlag OPTIONAL,
        listOfTrafficVolumes          [12] SEQUENCE OF ChangeOfCharCondition OPTIONAL,
        recordOpeningTime             [13] TimeStamp,
        duration                      [14] CallDuration,
        causeForRecClosing            [15] CauseForRecClosing,
        diagnostics                   [16] Diagnostics OPTIONAL,
        recordSequenceNumber          [17] INTEGER OPTIONAL,
        nodeID                        [18] NodeID OPTIONAL,
        recordExtensions              [19] ManagementExtensions OPTIONAL,
        localSequenceNumber           [20] LocalSequenceNumber OPTIONAL,
        apnSelectionMode              [21] APNSelectionMode OPTIONAL,
        servedMSISDN                  [22] MSISDN OPTIONAL,
        chargingCharacteristics       [23] ChargingCharacteristics,
        chChSelectionMode             [24] ChChSelectionMode OPTIONAL,
        sgsnPLMNIdentifier            [27] PLMN-Id OPTIONAL
    }

    …
```

End of Change in Clause 6.1
End of Document